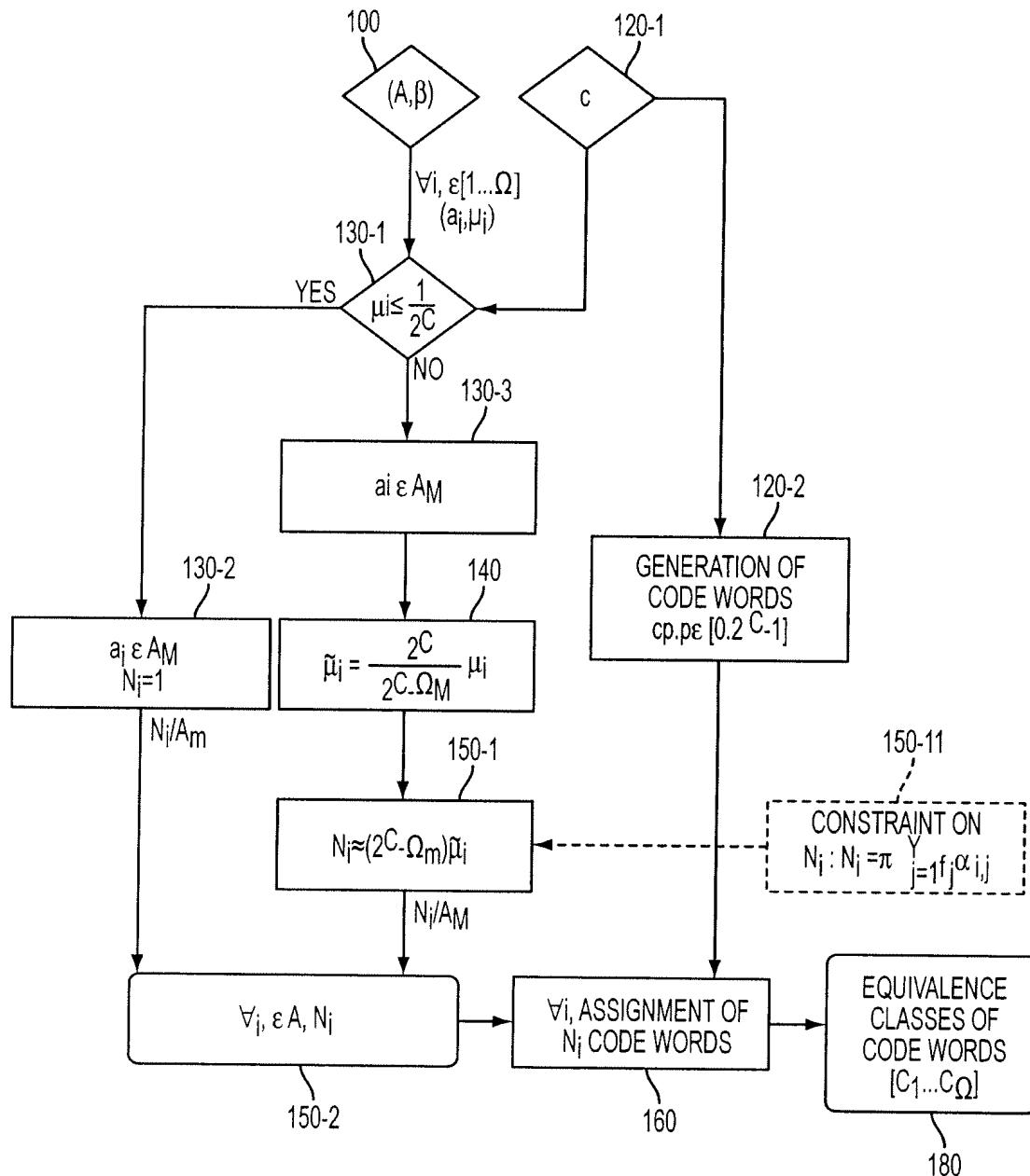
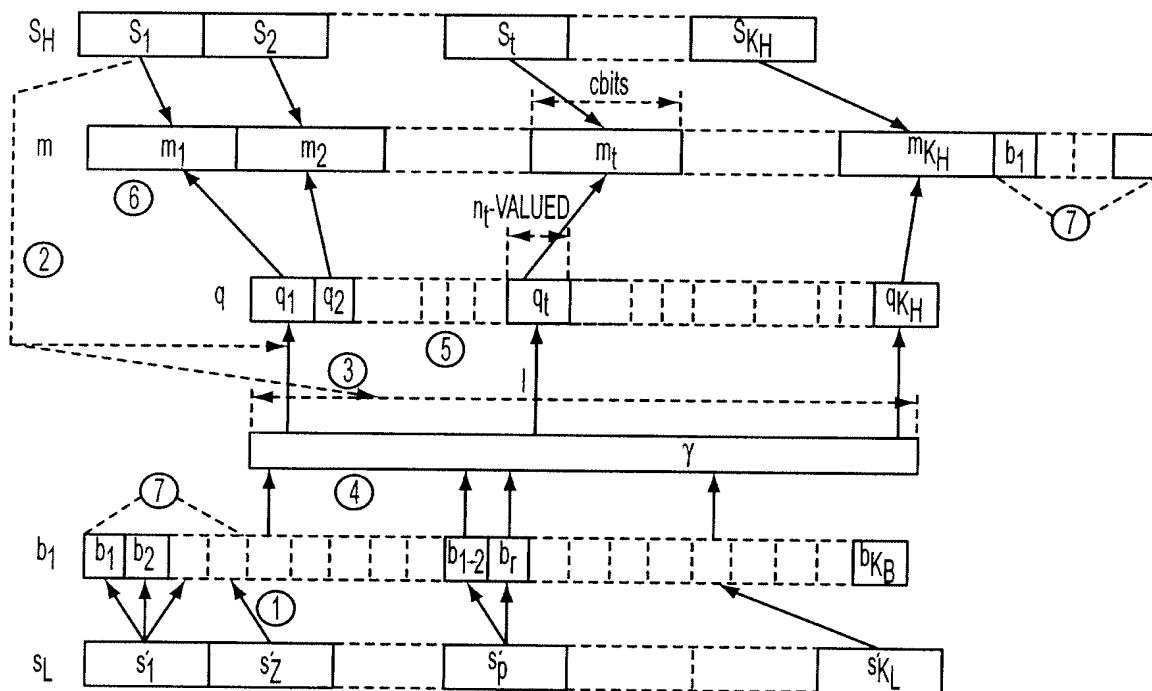


**Replacement Sheet**  
**Title: DIGITAL DATA COMPRESSION**  
**ROBUST RELATIVE TO**  
**TRANSMISSION NOISE**  
**Inventor(s): Herve JEGOU et al**  
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**FIG. 1**

**Replacement Sheet**  
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**FIG. 2**

11_A	12_A	13_A	14_A	15_A	16_A
CLASS $C_i$ CODE WORD $C_{i,q}$	SYMBOL $a_i$	$N_i = \text{CARD}(C_i)$	PROBABILITY $\mu_i$	STATE $q$	
$C_1$	0000	a	6	0.43	0
	0001				1
	0010				2
	0011				3
	0100				4
	0101				5
$C_2$	0110	b	5	0.30	0
	0111				1
	1000				2
	1001				3
	1010				4
$C_3$	1011	c	4	0.25	0
	1100				1
	1101				2
	1110				3
$C_4$	1111	d	1	0.02	0

**FIG. 2A**

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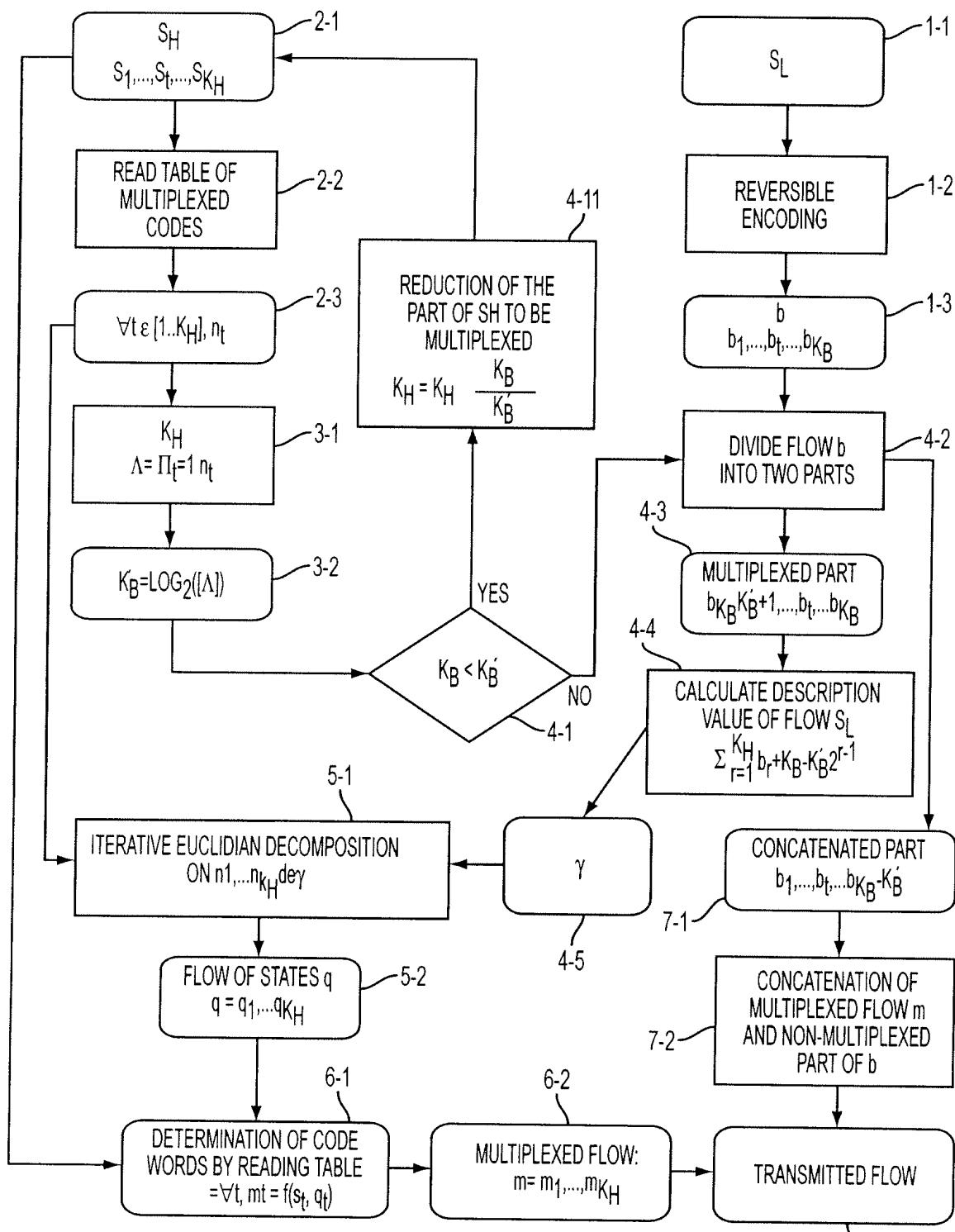
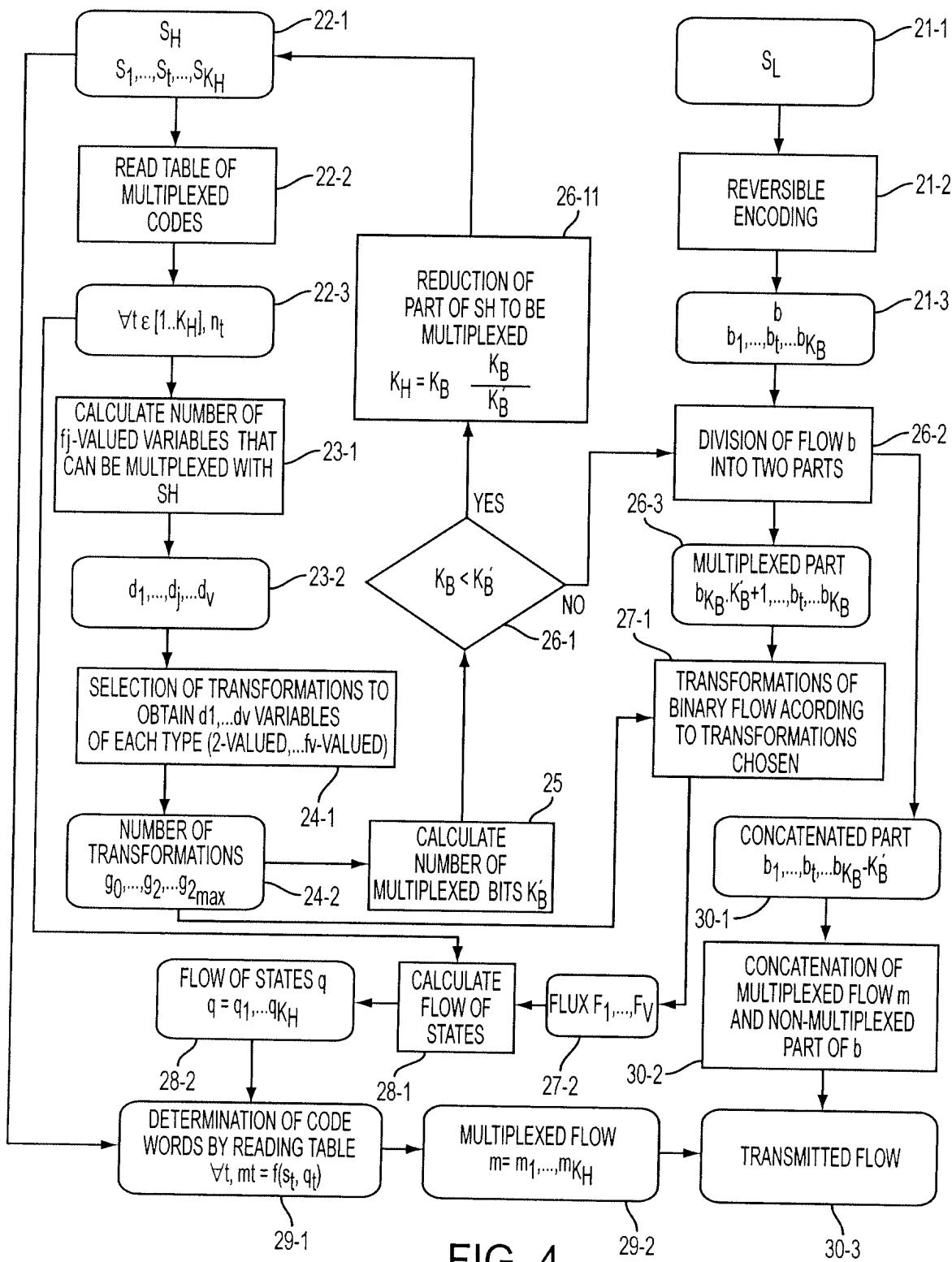


FIG. 3

**Replacement Sheet**  
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**FIG. 4**

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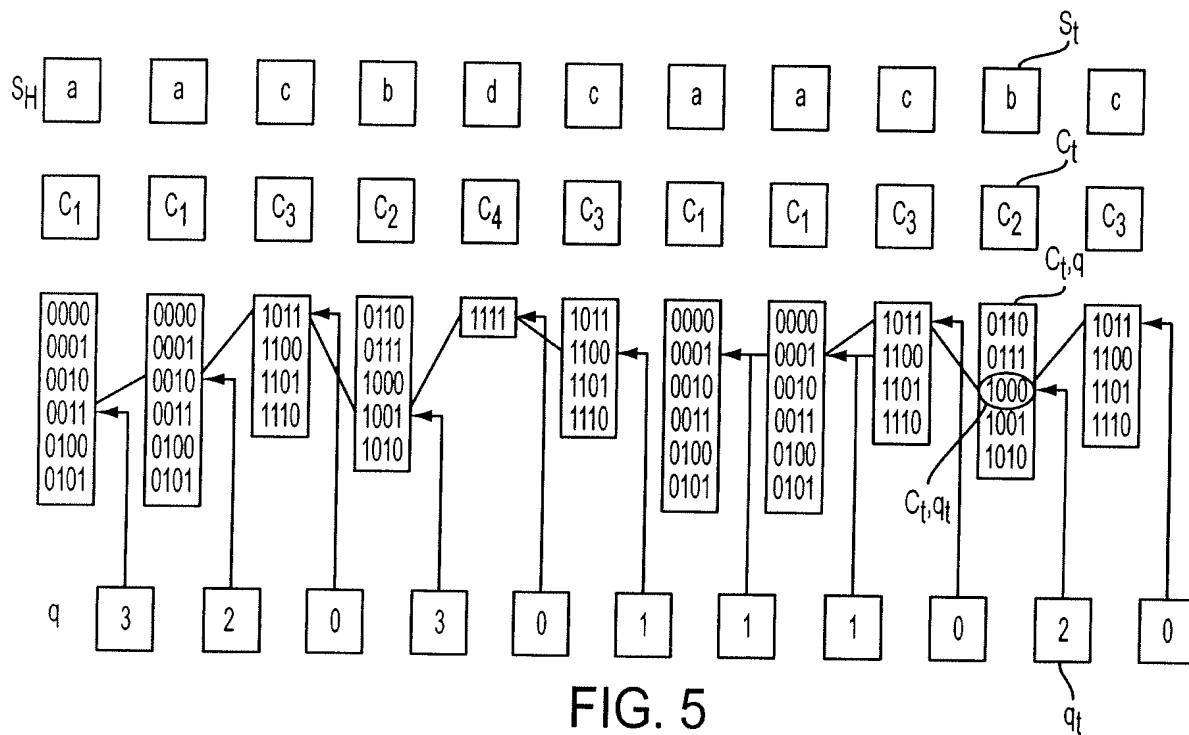


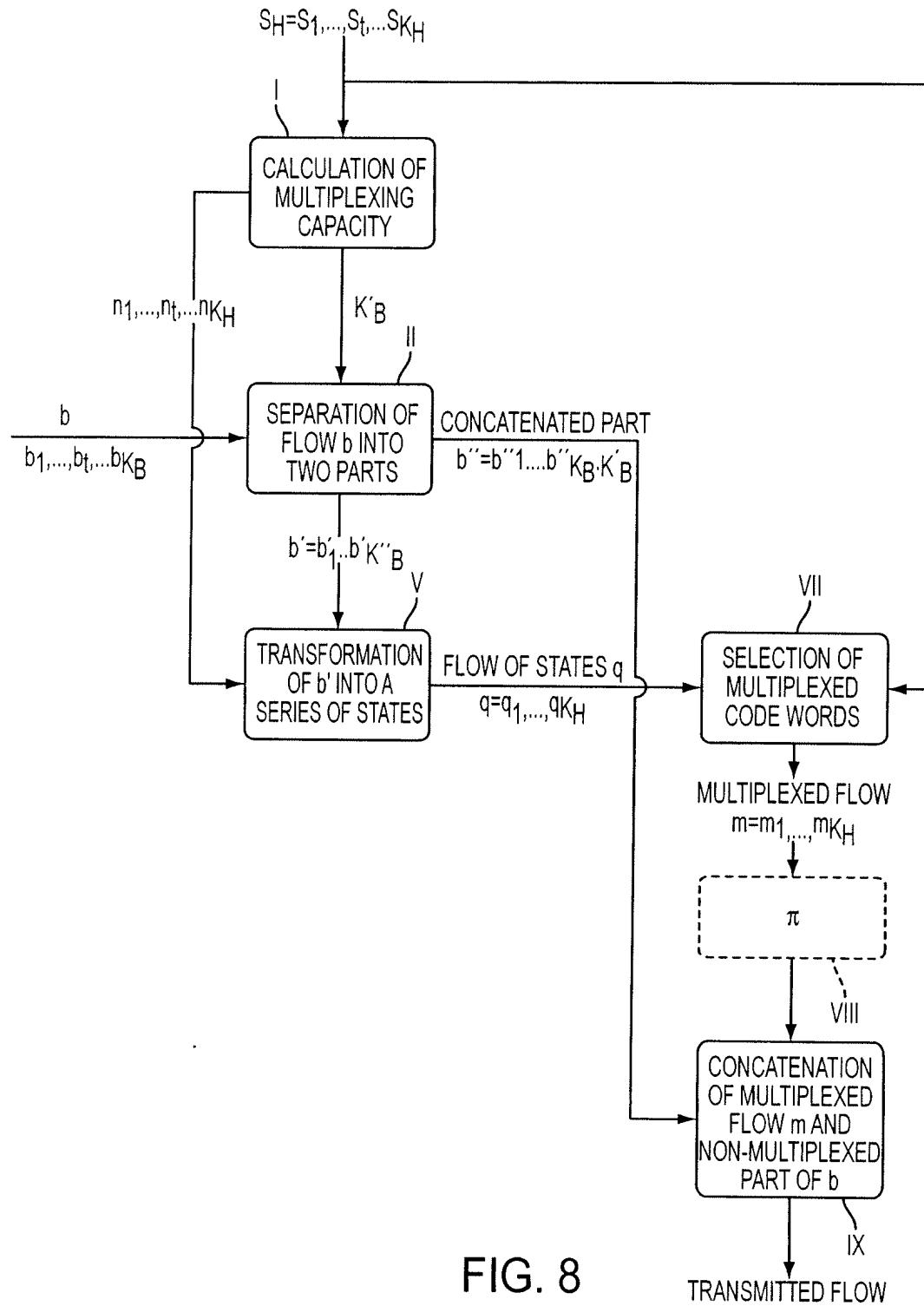
FIG. 5

31      32      33      34      35

$T_Z$	IDENTIFIER	$U_{T_Z}$	$V_{T_Z,1}$	$V_{T_Z,2}$	$V_{T_Z,3}$	$O_{T_Z}$
$T_0$		1	1	0	0	0.0000
$T_1$		15	0	8	1	0.0001
$T_2$		21	0	3	7	0.0004
$T_3$		19	0	12	0	0.0010
$T_4$		25	0	7	6	0.0011
$T_5$		24	0	2	9	0.0028
$T_6$		14	0	3	4	0.0030
$T_7$		18	0	7	3	0.0034
$T_8$		27	0	1	11	0.0047
$T_9$		17	0	2	6	0.0060
$T_{10}$		30	0	0	13	0.0062
$T_{11}$		20	0	1	8	0.0080
$T_{12}$		11	0	7	0	0.0086
$T_{13}$		23	0	0	10	0.0095
$T_{14}$		6	0	1	2	0.0381
$T_{15}$		3	0	2	0	0.0566
$T_{16}$		2	0	0	1	0.1610
$T_{Z_{\max}} = T_{17}$		1	0	1	0	0.5850

FIG. 6

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**FIG. 8**

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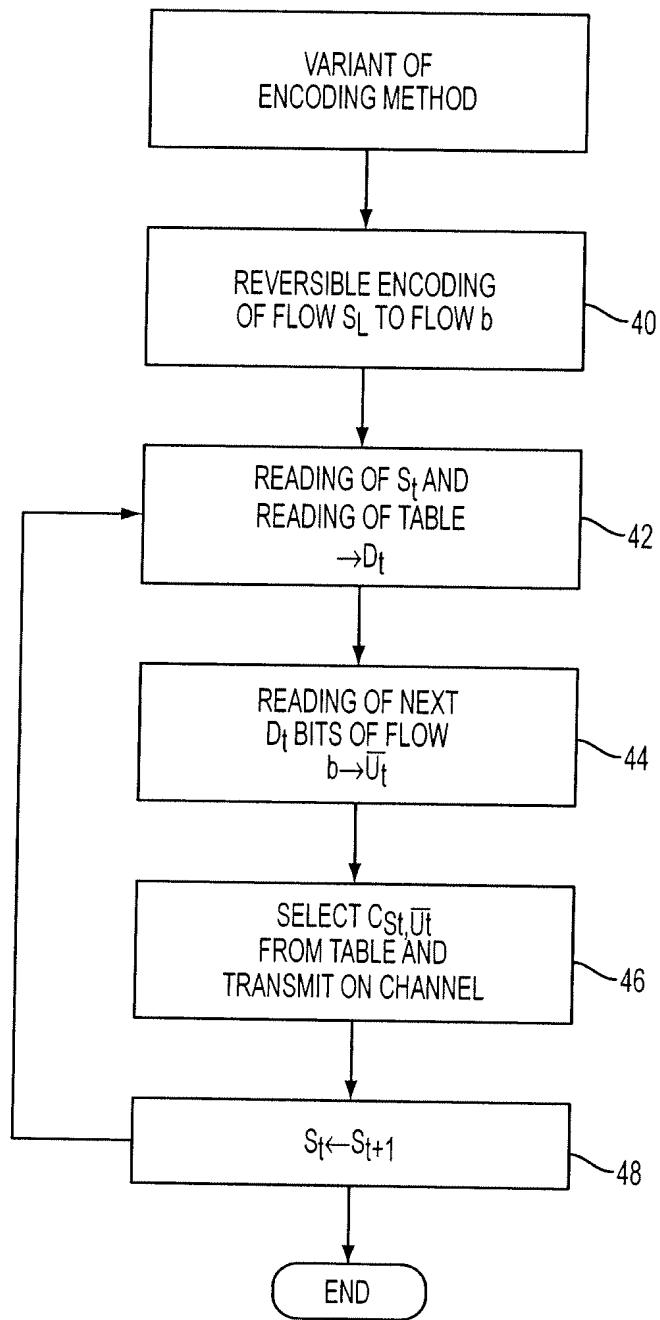
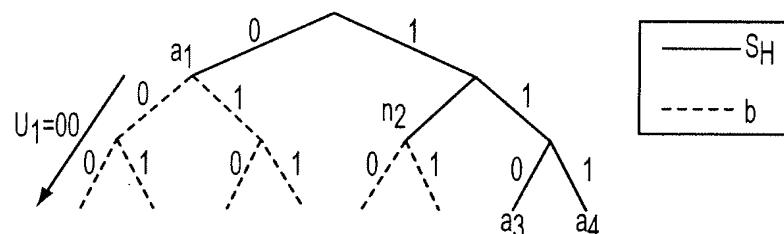


FIG. 9

**Replacement Sheet**  
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11-B	12-B	13-B	18-B	14-B	15-B	17-B
CLASS $C_i$	$C_i \bar{U}_i$	$a_i$	$D_i$	$N_i = Z^{1i}$	$\mu_i$	$\bar{U}_i$
$C_1$	000	$a_1$	1	2	0.30	0
	001					1
$C_2$	010	$a_2$	2	4	0.43	00
	011					01
	100					10
	101					11
$C_3$	110	$a_3$	0	1	0.25	$\emptyset$
$C_4$	111	$a_4$	0	1	0.02	$\emptyset$

**FIG. 2B**



**FIG. 7**

$S_t$	$a_2$	$a_1$	$a_1$	$a_3$	$a_1$	$a_2$	$a_1$	$a_4$	$a_2$	$a_1$
PREFIX	10	0..	0..	110	0...	10.	0..	111	10.	0..
SUFFIX $\bar{U}_t$	..0	.10	.10	...	.10	.1	.01	...	.0	.10
$m_t$	100	010	010	110	010	101	001	111	100	010

**FIG. 10**

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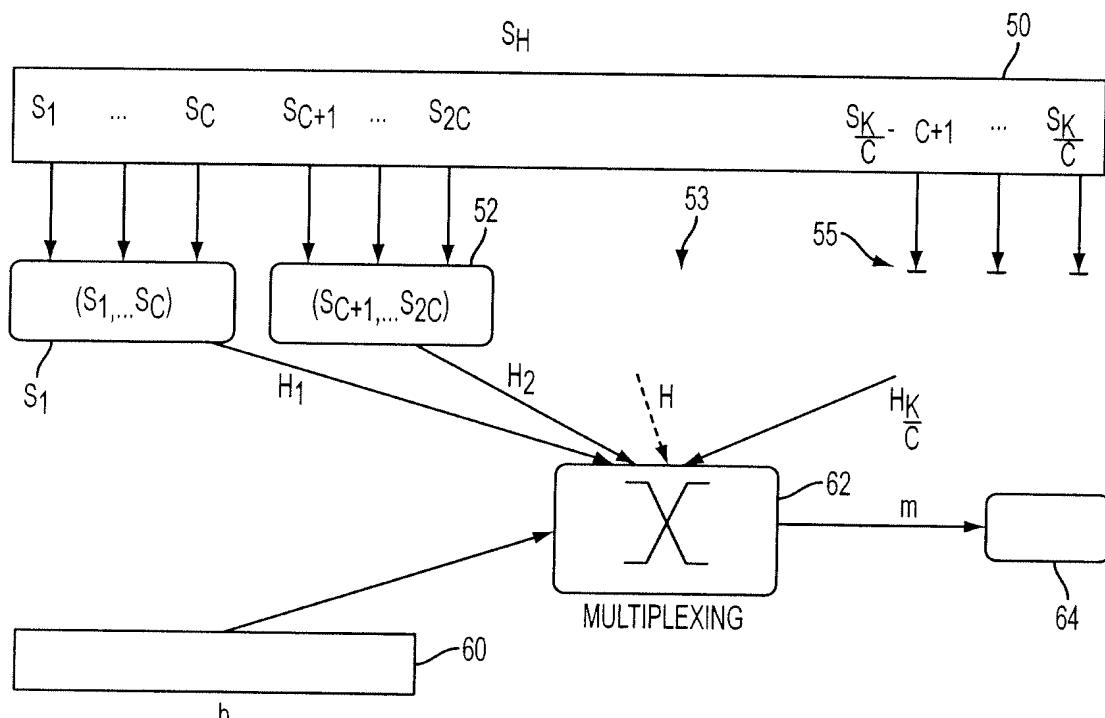


FIG. 11

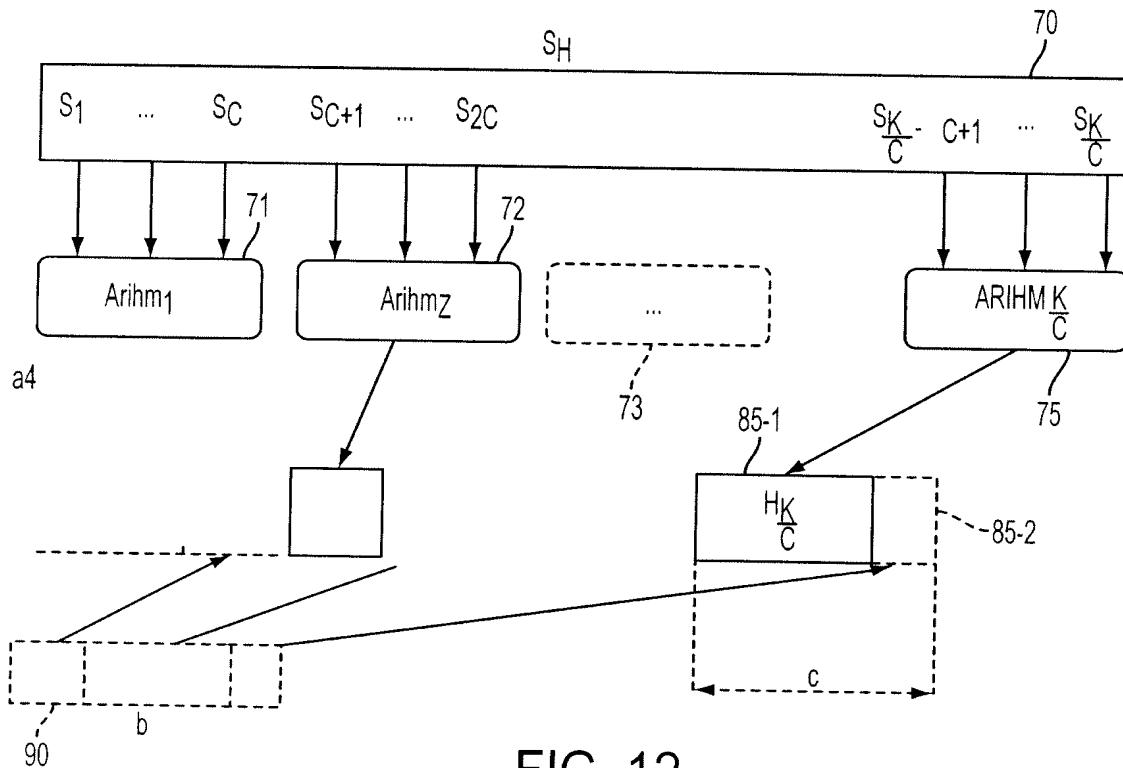


FIG. 12